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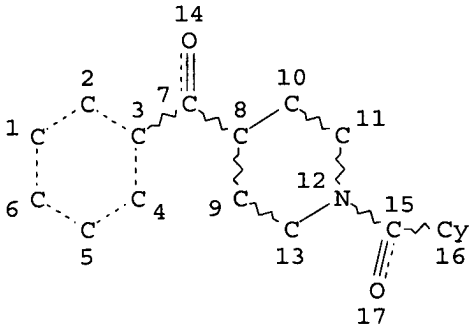
L2 STR



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GRAPH ATTRIBUTES:
RSPEC 9 3
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

=> d his l4

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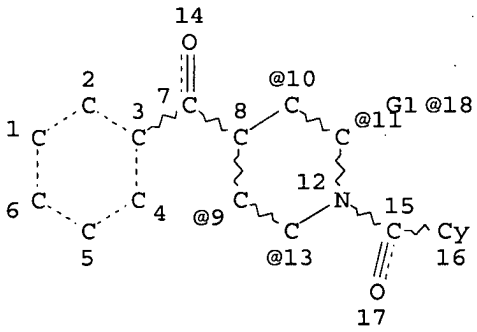
L4 977 S L2 FUL

=> d l5
L5 HAS NO ANSWERS
L5 STR



VAR G1=ME/ET/N-PR/I-PR/O
VPA 18-10/11/13/9 U
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GRAPH ATTRIBUTES:
RSPEC 9 3
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:subset
ENTER SUBSET L# OR (END):l4
ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):ful
FULL SUBSET SEARCH INITIATED 16:25:14 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -       977 TO ITERATE

100.0% PROCESSED      977 ITERATIONS                                  3 ANSWERS
SEARCH TIME: 00.00.01

L6             3 SEA SUB=L4 SSS FUL L5

=> fil caplus
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     224.14     224.35

FILE 'CAPLUS' ENTERED AT 16:25:18 ON 28 JAN 2008
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FILE LAST UPDATED: 27 Jan 2008  (20080127/ED)

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=> s l6
L7             1 L6

=> d bib abs hitstr

L7   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2004:333695  CAPLUS
DN   140:339199
TI   Preparation of 1,4-disubstituted piperidine derivatives and their use as
     11-βHSD1 inhibitors
IN   Barton, Peter John; Jewsbury, Philip John; Pease, Janet Elizabeth
PA   Astrazeneca Ab, Swed.; Astrazeneca UK Limited
SO   PCT Int. Appl., 144 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   WO 2004033427        A1    20040422    WO 2003-GB4318          20031007
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
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GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2501611	A1	20040422	CA 2003-2501611	20031007	
AU 2003269242	A1	20040504	AU 2003-269242	20031007	
EP 1556349	A1	20050727	EP 2003-751021	20031007	
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BR 2003015166	A	20050816	BR 2003-15166	20031007	
CN 1723199	A	20060118	CN 2003-80105353	20031007	
JP 2006506451	T	20060223	JP 2005-500993	20031007	
NO 2005001600	A	20050613	NO 2005-1600	20050330	
US 2005256159	A1	20051117	US 2005-529951	20050401	←
MX 2005PA03632	A	20050603	MX 2005-PA3632	20050405	
ZA 2005002752	A	20060222	ZA 2005-2752	20050405	
PRAI GB 2002-23573	A	20021011			
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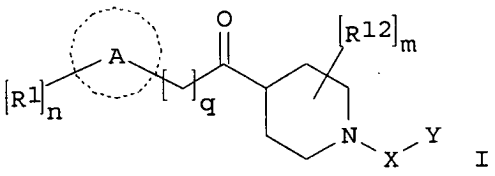
WO 2003-GB4318	W	20031007			

OS MARPAT 140:339199

GI



I

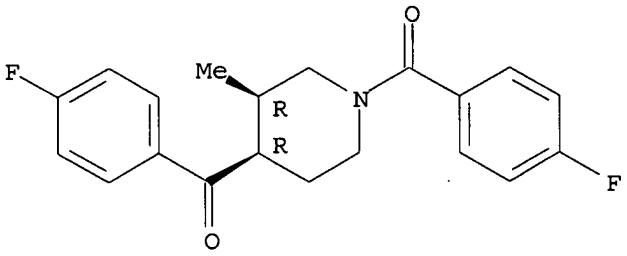
AB The title compds. [I; A = carbocyclyl, heterocyclyl; R1 = halo, NO2, CN, OH, etc.; n = 0-5; X = a bond, CO, SO2, CONR11, CSNR11, C(O)O, C(:NR11), CH2 (wherein R11 = H, alkyl, carbocyclyl, heterocyclyl); Y = H, alkyl, alkenyl, carbocyclyl, etc.; R12 = OH, Me, Et. Pr; m, q = 0-1], useful in the manufacture of a medicament for treating diabetes, obesity, hyperlipidemia, etc., were prepared Thus, reacting (4-chlorophenyl)(4-piperidyl)methanone.HCl with 4-fluorobenzoyl chloride in the presence of Et3N in DCM afforded 29% 1-(4-fluorobenzoyl)-4-(4-chlorobenzoyl)piperidine. The compds. I typically show an IC50 < 10 μM against 11βHSD1. The pharmaceutical composition comprising the compound I is claimed.

IT 681133-82-4P 681133-83-5P 681133-84-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1,4-disubstituted piperidine derivs. and their use as 11-βHSD1 inhibitors)

RN 681133-82-4 CAPLUS

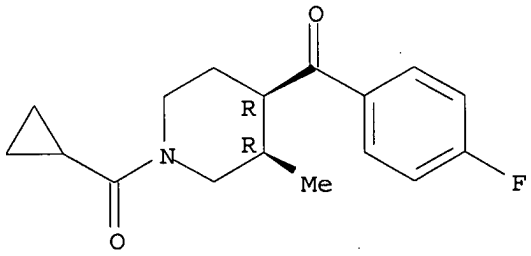
CN Piperidine, 1,4-bis(4-fluorobenzoyl)-3-methyl-, (3R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



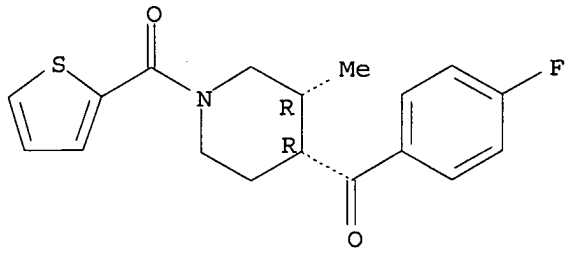
RN 681133-83-5 CAPLUS
CN Piperidine, 1-(cyclopropylcarbonyl)-4-(4-fluorobenzoyl)-3-methyl-, (3R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 681133-84-6 CAPLUS
CN Piperidine, 4-(4-fluorobenzoyl)-3-methyl-1-(2-thienylcarbonyl)-, (3R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

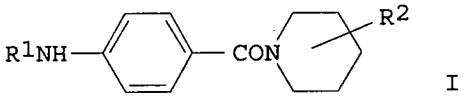


RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

AN 1986:207174 CAPLUS
DN 104:207174
OREF 104:32837a,32840a
TI Piperidines
PA Fujisawa Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60226877	A	19851112	JP 1985-4376	19850114
PRAI	GB 1984-1092	A	19840116		

OS CASREACT 104:207174
GI



I

AB The title compds. [I: R1 = (substituted) quinolyl, R2 = (halo)aroyl] and their salts, useful as antihypertensives, were prepared Thus, stirring a mixture of 0.75 g 4-[[7-(trifluoromethyl)-4-quinolyl]amino]benzoyl chloride-HCl, 0.40 g 4-(4-fluorobenzoyl)piperidine, 0.59 g Et3N, 23 mL THF, and 11.5 mL CH2Cl2 at room temperature for 2 h gave 0.70 g I [R1 = 7-(trifluoromethyl)-4-quinolyl, R2 = 4-(4-fluorobenzoyl)]. I at 10 mg/kg decreased blood pressure in rats by 34-44%.

IT 101387-76-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antihypertensives)
RN 101387-76-2 CAPLUS
CN Piperidine, 4-(4-fluorobenzoyl)-1-(4-nitrobenzoyl)- (9CI) (CA INDEX NAME)